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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,215

DATE: 11/13/2001

TIME: 15:34:35

Input Set : N:\Crf3\RULE60\09943215.txt

Output Set : N:\CRF3\11132001\I943215.raw

SEQUENCE LISTING

ENTERED

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Pang, Sheng-Zhi

7 Gonsalves, Dennis

8 Jan, Fuh-Jyh

10 (ii) TITLE OF INVENTION: DNA CONSTRUCT TO CONFER MULTIPLE TRAITS
11 ON PLANTS

13 (iii) NUMBER OF SEQUENCES: 18

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP

17 (B) STREET: Clinton Square, P.O. Box 1051

18 (C) CITY: Rochester

19 (D) STATE: New York

20 (E) COUNTRY: U.S.A.

21 (F) ZIP: 14603

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Floppy disk

25 (B) COMPUTER: IBM PC compatible

26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

29 (vi) CURRENT APPLICATION DATA:

C--> 30 (A) APPLICATION NUMBER: US/09/943,215

C--> 31 (B) FILING DATE: 30-Aug-2001

32 (C) CLASSIFICATION:

38 (vii) PRIOR APPLICATION DATA:

35 (A) APPLICATION NUMBER: 09/025,635

36 (B) FILING DATE: 1998-02-18

39 (A) APPLICATION NUMBER: US 60/062,870

40 (B) FILING DATE: 21-OCT-1997

42 (viii) ATTORNEY/AGENT INFORMATION:

43 (A) NAME: Goldman, Michael L.

44 (B) REGISTRATION NUMBER: 30,727

45 (C) REFERENCE/DOCKET NUMBER: 19603/1552

47 (ix) TELECOMMUNICATION INFORMATION:

48 (A) TELEPHONE: (716) 263-1304

49 (B) TELEFAX: (716) 263-1600

52 (2) INFORMATION FOR SEQ ID NO: 1:

54 (i) SEQUENCE CHARACTERISTICS:

55 (A) LENGTH: 46 base pairs

56 (B) TYPE: nucleic acid

57 (C) STRANDEDNESS: single

58 (D) TOPOLOGY: linear

60 (ii) MOLECULE TYPE: cDNA

65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

67 AGCTAATCTA GAAACATGGA TGACTACTA AGGAAAGCAT TGTTGC

69 (2) INFORMATION FOR SEQ ID NO: 2:

71 (i) SEQUENCE CHARACTERISTICS:

46

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72      (A) LENGTH: 38 base pairs
73      (B) TYPE: nucleic acid
74      (C) STRANDEDNESS: single
75      (D) TOPOLOGY: linear
77      (ii) MOLECULE TYPE: cDNA
82      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
84 TACAGTTCTA GAACCATGGT CTGGAAAACC TTGACCAG      38
86 (2) INFORMATION FOR SEQ ID NO: 3:
88      (i) SEQUENCE CHARACTERISTICS:
89          (A) LENGTH: 41 base pairs
90          (B) TYPE: nucleic acid
91          (C) STRANDEDNESS: single
92          (D) TOPOLOGY: linear
94      (ii) MOLECULE TYPE: cDNA
99      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
101 TACAGTTCTA GAACCATGGT AAAGCGATTT TACTTTTGGT A      41
103 (2) INFORMATION FOR SEQ ID NO: 4:
105      (i) SEQUENCE CHARACTERISTICS:
106          (A) LENGTH: 49 base pairs
107          (B) TYPE: nucleic acid
108          (C) STRANDEDNESS: single
109          (D) TOPOLOGY: linear
111      (ii) MOLECULE TYPE: cDNA
116      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
118 AGATTCTCTA GACCATGGTG ACTTGATGAG CAAAGTCTGT GAGGCTTGC      49
120 (2) INFORMATION FOR SEQ ID NO: 5:
122      (i) SEQUENCE CHARACTERISTICS:
123          (A) LENGTH: 38 base pairs
124          (B) TYPE: nucleic acid
125          (C) STRANDEDNESS: single
126          (D) TOPOLOGY: linear
128      (ii) MOLECULE TYPE: cDNA
133      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
135 TACAGTTCTA GAACCATGGA AAATACAAGG ATCTCGGG      38
137 (2) INFORMATION FOR SEQ ID NO: 6:
139      (i) SEQUENCE CHARACTERISTICS:
140          (A) LENGTH: 41 base pairs
141          (B) TYPE: nucleic acid
142          (C) STRANDEDNESS: single
143          (D) TOPOLOGY: linear
145      (ii) MOLECULE TYPE: cDNA
150      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
152 TACAGTTCTA GAACCATGGT AGAAGGGGAA AGAGTATGCT G      41
154 (2) INFORMATION FOR SEQ ID NO: 7:
156      (i) SEQUENCE CHARACTERISTICS:
157          (A) LENGTH: 36 base pairs
158          (B) TYPE: nucleic acid
159          (C) STRANDEDNESS: single
160          (D) TOPOLOGY: linear

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162      (ii) MOLECULE TYPE: cDNA
167      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
169 AGCATTGGAT CCATGGTTAA CACACTAAGC AAGCAC      36
171 (2) INFORMATION FOR SEQ ID NO: 8:
173      (i) SEQUENCE CHARACTERISTICS:
174          (A) LENGTH: 36 base pairs
175          (B) TYPE: nucleic acid
176          (C) STRANDEDNESS: single
177          (D) TOPOLOGY: linear
179      (ii) MOLECULE TYPE: cDNA
184      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
186 TCTTGAGGAT CCATGGCTGA TCTTCATTCA TTTCAA      36
188 (2) INFORMATION FOR SEQ ID NO: 9:
190      (i) SEQUENCE CHARACTERISTICS:
191          (A) LENGTH: 36 base pairs
192          (B) TYPE: nucleic acid
193          (C) STRANDEDNESS: single
194          (D) TOPOLOGY: linear
196      (ii) MOLECULE TYPE: cDNA
201      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
203 TCTTGAGGAT CCATGGATCC TGATATATAG CCAAGA      36
205 (2) INFORMATION FOR SEQ ID NO: 10:
207      (i) SEQUENCE CHARACTERISTICS:
208          (A) LENGTH: 39 base pairs
209          (B) TYPE: nucleic acid
210          (C) STRANDEDNESS: single
211          (D) TOPOLOGY: linear
213      (ii) MOLECULE TYPE: cDNA
218      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
220 TACAGTGGAT CCATGGTTAA GGTAATCCAT AGGCTTGAC      39
222 (2) INFORMATION FOR SEQ ID NO: 11:
224      (i) SEQUENCE CHARACTERISTICS:
225          (A) LENGTH: 36 base pairs
226          (B) TYPE: nucleic acid
227          (C) STRANDEDNESS: single
228          (D) TOPOLOGY: linear
230      (ii) MOLECULE TYPE: cDNA
235      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
237 TCTTGAGGAT CCATGGCTTA ATAACCTCA TTATGC      36
239 (2) INFORMATION FOR SEQ ID NO: 12:
241      (i) SEQUENCE CHARACTERISTICS:
242          (A) LENGTH: 36 base pairs
243          (B) TYPE: nucleic acid
244          (C) STRANDEDNESS: single
245          (D) TOPOLOGY: linear
247      (ii) MOLECULE TYPE: cDNA
252      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
254 TCTTGAGGAT CCATGGAAAA GTCTTGAAGT TGAATG      36
256 (2) INFORMATION FOR SEQ ID NO: 13:

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258      (i) SEQUENCE CHARACTERISTICS:
259          (A) LENGTH: 50 base pairs
260          (B) TYPE: nucleic acid
261          (C) STRANDEDNESS: single
262          (D) TOPOLOGY: linear
264      (ii) MOLECULE TYPE: cDNA
269      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
271 AGCTAATCTA GAACCATGGA TGAATAATTA CCATAAAGAA AACTTCAGAC      50
273 (2) INFORMATION FOR SEQ ID NO: 14:
275      (i) SEQUENCE CHARACTERISTICS:
276          (A) LENGTH: 53 base pairs
277          (B) TYPE: nucleic acid
278          (C) STRANDEDNESS: single
279          (D) TOPOLOGY: linear
281      (ii) MOLECULE TYPE: cDNA
286      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
288 AGCATTTGGAT CCATGGTTAG TTACCTAGTT TTCCTTTTCAG CACAGTGCAA ACT      53
290 (2) INFORMATION FOR SEQ ID NO: 15:
292      (i) SEQUENCE CHARACTERISTICS:
293          (A) LENGTH: 30 base pairs
294          (B) TYPE: nucleic acid
295          (C) STRANDEDNESS: single
296          (D) TOPOLOGY: linear
298      (ii) MOLECULE TYPE: cDNA
303      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
305 TTGAATCCAT GGCAGGTGAA ACGCTTGACG      30
307 (2) INFORMATION FOR SEQ ID NO: 16:
309      (i) SEQUENCE CHARACTERISTICS:
310          (A) LENGTH: 33 base pairs
311          (B) TYPE: nucleic acid
312          (C) STRANDEDNESS: single
313          (D) TOPOLOGY: linear
315      (ii) MOLECULE TYPE: cDNA
320      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
322 GTCGTACCAT GCGGAGAATA CTAACGAGTA AAC      33
324 (2) INFORMATION FOR SEQ ID NO: 17:
326      (i) SEQUENCE CHARACTERISTICS:
327          (A) LENGTH: 44 base pairs
328          (B) TYPE: nucleic acid
329          (C) STRANDEDNESS: single
330          (D) TOPOLOGY: linear
332      (ii) MOLECULE TYPE: cDNA
337      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
339 TGAACATCTA GAACCATGGG TAAAGGAGAA GAACTTTCA CTGG      44
341 (2) INFORMATION FOR SEQ ID NO: 18:
343      (i) SEQUENCE CHARACTERISTICS:
344          (A) LENGTH: 44 base pairs
345          (B) TYPE: nucleic acid
346          (C) STRANDEDNESS: single

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347 (D) TOPOLOGY: linear
349 (ii) MOLECULE TYPE: cDNA
354 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
356 TGAACAGGAT CCATGGTCTA CGAATGCTAT TATTTGTATA GTTC

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VERIFICATION SUMMARY

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L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]